

IMPROPER FIREPLACE INSTALLATION RESULTS IN FIREFIGHTER'S DEATH

Cause Map

1 Problem

What	Problem(s)	Firefighter killed, 5 firefighters injured, house fire
When	Date	February 16, 2011
	Time	Night
	Different, unusual, unique	Outdoor fireplace installed inside
Where	Facility, site	House in Hollywood Hills, CA
	Unit, area, equipment	Top floor, attic
	Task being performed	Fighting fire

Impact to the Goals

Safety	Firefighter killed, 5 injured
Environmental	?
Regulatory	Non-compliant fireplace Non-compliance missed on inspection 6 months prison for architect/ owner
Production/ Schedule	?
Property/ Equipment	Loss of house
Labor/ Time	Firefighting efforts, trial

Ceiling collapses during firefighting efforts

"Ultimately one of our firefighters paid the price. This is one of the most dangerous professions. We want to go in there aggressively to save lives, but we expect things to be built right."

- Frank Lima,
President of United Firefighters of Los Angeles City

Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

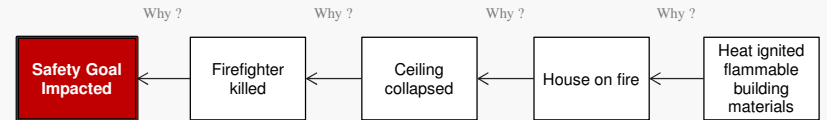
CAUSE MAPPING

Problem Solving • Incident Investigation • Root Cause Analysis

- Step 1 **Problem** What's the Problem?
- Step 2 **Analysis** Why did it happen?
- Step 3 **Solutions** What will be done?

2 Analysis

Basic Level Cause Map - Start with simple Why questions.



More Detailed Cause Map

Add detail as information becomes available.

For a free copy of our Root Cause Analysis Template in Microsoft Excel, used to create this page, visit our web site.

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